

Commonwealth of Kentucky Division for Air Quality

TITLE V PERMIT APPLICATION SUMMARY

Completed by: Manesh Jayagopal

General Information

Name: Green River Steel Corporation
Address: 4701 US 60 East, Owensboro
Kentucky 42303
County: Daviess
Date application received: December 11, 1996
SIC/Source description: 3312
AFS(9-digit) or CDS (10-digit) Plant ID: 21-059-00008
EIS #: 077-0920-0008
Finds #: KYD062951801
Application log number: F006
Permit number: V-97-054

Application Type/Permit Activity

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> PSD
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating
	<input checked="" type="checkbox"/> Operating

Compliance Summary

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

Applicable Requirements list

<input checked="" type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP	<input checked="" type="checkbox"/> Other
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> State-Origin	

Miscellaneous

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☐ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment: for ozone - VOC and NOx

Emissions Summary:

Pollutant	Actual Emissions (tpy)	Potential Emissions (tpy)
Carbon Monoxide	157.46	470.98
Nitrogen Oxides	95.93	352.9
Sulfur Dioxide	0.246	246.23
PM10	9.46	42.61
TSP	9.46	42.61
VOC	2.74	15.42

Notes: 1. Actual emissions are based on the production rates in 1996. Potential emissions are based on the design capacities or permitted levels of operation. The potential emissions of SO₂ are high due to the use of #2 fuel oil as backup. However, since actual use of this fuel is low the actual emissions are significantly lower than the potential emissions.

Source Process Description:

This source is manufacturer of alloy and speciality steel billets and bars, with the primary units being the Electric Arc Furnace and associated equipment. The steel is produced from clean scrap which is melted in the EAF's and then cast into billets and bars before being cleaned, treated, and shipped out.